

**To:** Cabrera-Stagno, Valentina[Cabrera-Stagno.Valentina@epa.gov]; Maxfield, Jessie@Waterboards[Jessie.Maxfield@waterboards.ca.gov]  
**From:** Maurano, Stephen  
**Sent:** Tue 3/13/2018 9:39:20 PM  
**Subject:** RE: CDEC QA/QC'd EC, Temp. and DO data for 303(d) assessment

Jessie,

I'm in a meeting, but should be out by 3pm and can give you a call then to discuss.

Thanks,

Stephen Maurano

U.S. Environmental Protection Agency, Region 9

Water Division, Ecosystems Branch, Assessment Section

75 Hawthorne Street (WTR-2-1), San Francisco, CA 94105-3901

(415) 972-3477 [maurano.stephen@epa.gov](mailto:maurano.stephen@epa.gov)

**From:** Cabrera-Stagno, Valentina  
**Sent:** Tuesday, March 13, 2018 2:35 PM  
**To:** Maxfield, Jessie@Waterboards <Jessie.Maxfield@waterboards.ca.gov>  
**Cc:** Maurano, Stephen <Maurano.Stephen@epa.gov>  
**Subject:** RE: CDEC QA/QC'd EC, Temp. and DO data for 303(d) assessment

Hi Jessie

Thanks for reaching out. Terry is out part of this week and I'm out the rest of this week...so I'm Ccing Stephen Maurano as your point of contact.

Valentina Cabrera Stagno

US EPA Region IX

Water Division, Watersheds Office

415.972.3434

Work schedule: M/Th 9a-5:30p, Tue 10a-2p.

**From:** Maxfield, Jessie@Waterboards [<mailto:Jessie.Maxfield@waterboards.ca.gov>]

**Sent:** Tuesday, March 13, 2018 1:35 PM

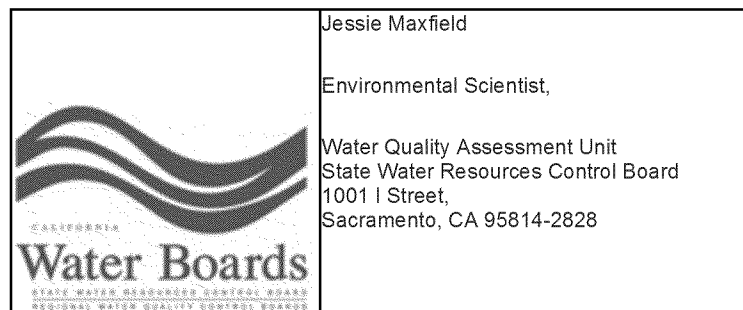
**To:** Cabrera-Stagno, Valentina <[Cabrera-Stagno.Valentina@epa.gov](mailto:Cabrera-Stagno.Valentina@epa.gov)>

**Subject:** FW: CDEC QA/QC'd EC, Temp. and DO data for 303(d) assessment

Hi Valentina,

Terry has requested that State Board QA the work USEPA did to determine 10 water bodies should be added to the 303(d) List. We are on a tight timeline and I cannot get a hold of Terry today. I believe he mentioned that you worked on this so I thought I would check in with you as well. We really need someone from USEPA to walk us through how you evaluated this data and came to your conclusions so that we can do our review and craft the support letter USEPA is requesting. I am also wondering if there is some explanation of why only these 10 water bodies and not some of the others are being added and why only temperature data looked at. Terry referred me to the letter that USEPA sent to Region 5 during their comment period for EPA's rationale but it really does not have the level of detail that we need. Any assistance you can offer us to get this review completed would be greatly appreciated. Thank you for your time, Valentina!

-Jessie



	Phone: 916.341.5484 Fax: 916.341.5550 <a href="mailto:Jessie.Maxfield@waterboards.ca.gov">Jessie.Maxfield@waterboards.ca.gov</a>
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**From:** Maxfield, Jessie@Waterboards  
**Sent:** Tuesday, March 13, 2018 10:49 AM  
**To:** 'Fleming, Terrence' <[Fleming.Terrence@epa.gov](mailto:Fleming.Terrence@epa.gov)>  
**Cc:** Kaplan, Jacob@Waterboards <[Jacob.Kaplan@Waterboards.ca.gov](mailto:Jacob.Kaplan@Waterboards.ca.gov)>; Moore, Jacquelynn@Waterboards <[Jacquelynn.Moore@Waterboards.ca.gov](mailto:Jacquelynn.Moore@Waterboards.ca.gov)>  
**Subject:** RE: CDEC QA/QC'd EC, Temp. and DO data for 303(d) assessment

Hi Terry,

Just left you a message. Rebecca let me know I am to take the lead in coordinating a review of USEPA's assessments (per your request). I am going to look through the data you sent here but we are on a tight timeline so it might be helpful for you to walk me through USEPA's data review process. I am CC'ing the staff who might be assisting me in our review. Stacy is going to draft up the support letter (which I understand you are hoping to get by the end of the week). We would need to have this review done by then so any assistance you can provide to get us started would be greatly appreciated.

-Jessie

	Jessie Maxfield  Environmental Scientist,  Water Quality Assessment Unit State Water Resources Control Board 1001 I Street, Sacramento, CA 95814-2828
	Phone: 916.341.5484 Fax: 916.341.5550 <a href="mailto:Jessie.Maxfield@waterboards.ca.gov">Jessie.Maxfield@waterboards.ca.gov</a>

**From:** Fleming, Terrence [<mailto:Fleming.Terrence@epa.gov>]  
**Sent:** Tuesday, March 6, 2018 9:18 AM  
**To:** Maxfield, Jessie@Waterboards <[Jessie.Maxfield@waterboards.ca.gov](mailto:Jessie.Maxfield@waterboards.ca.gov)>  
**Subject:** FW: CDEC QA/QC'd EC, Temp. and DO data for 303(d) assessment

Attached is the QA/QC'd CDEC data we got from DWR

**From:** Cabrera-Stagno, Valentina  
**Sent:** Tuesday, February 20, 2018 10:43 AM  
**To:** Maurano, Stephen <[Maurano.Stephen@epa.gov](mailto:Maurano.Stephen@epa.gov)>; Fleming, Terrence <[Fleming.Terrence@epa.gov](mailto:Fleming.Terrence@epa.gov)>  
**Subject:** CDEC QA/QC'd EC, Temp. and DO data for 303(d) assessment

Here's the link (in the email below) with the raw data from our stations of interest to download.

I requested the following but not sure we'll want to analyze all of them, figured it's better to have more than less.

C3A	Sacramento River @ Hood
D10A	Sacramento River @ Mallard Island
	San Joaquin River @ Antioch Ship
D12A	Channel
D24A	Sacramento River @ Rio Vista
D6A	Sacramento River @ Martinez
D29	San Joaquin River @ Prisoners Point
	San Joaquin River @ Rough & Ready
P8A	Island
C7A	San Joaquin River @ Mossdale

Valentina Cabrera Stagno

US EPA Region IX

Water Division, Watersheds Office

415.972.3434

Work schedule: M/Th 9a-5:30p, Tue 10a-2p.

**From:** Batmanghilich, Sal@DWR [<mailto:Sal.Batmanghilich@water.ca.gov>]

**Sent:** Friday, February 16, 2018 1:20 PM

**To:** Cabrera-Stagno, Valentina <[Cabrera-Stagno.Valentina@epa.gov](mailto:Cabrera-Stagno.Valentina@epa.gov)>

**Subject:** RE: QA/QC'd EC, Temp. and DO data

Hi Valentina,

I have placed your data request at the link below. Please let me know if you have any questions.  
Thanks

---Sal

<https://fts.water.ca.gov/owncloud/public.php?service=files&t=36506aab92e3040453c3bf45a74deb9a>

**From:** Cabrera-Stagno, Valentina [<mailto:Cabrera-Stagno.Valentina@epa.gov>]

**Sent:** Thursday, February 15, 2018 5:33 PM

**To:** Batmanghilich, Sal@DWR <[Sal.Batmanghilich@water.ca.gov](mailto:Sal.Batmanghilich@water.ca.gov)>  
**Subject:** RE: QA/QC'd EC, Temp. and DO data

Thanks so much Sal

Our system automatically strips off any zip files. Any chance you can save it with a different extension, i.e. .zzz and send it my way and I'll rename and open?

thanks

Valentina Cabrera Stagno

US EPA Region IX

Water Division, Watersheds Office

415.972.3434

Work schedule: M/Th 9a-5:30p, Tue 10a-2p.

**From:** Batmanghilich, Sal@DWR [<mailto:Sal.Batmanghilich@water.ca.gov>]  
**Sent:** Thursday, February 15, 2018 3:59 PM  
**To:** Cabrera-Stagno, Valentina <[Cabrera-Stagno.Valentina@epa.gov](mailto:Cabrera-Stagno.Valentina@epa.gov)>  
**Subject:** QA/QC'd EC, Temp. and DO data

Hi Valentina,

Please see the attached zip file for the data you requested. This includes the QA/QC'd Specific Conductivity, Dissolved Oxygen, and Temperature data for the Sacramento River at Rio Vista (RVB), San Joaquin River at Antioch (ANH), Mallard Island (MAL), Martinez (MRZ), San Joaquin River at Prisoners Point (PPI), San Joaquin River at Rough & Ready Island (RRI), San Joaquin River at Mossdale (MSD), and San Joaquin River at Rough & Ready Island (RRI) from 1990 to August 30, 2010 at each individual site.

Prior to 2008, data on our database (Water Quality Portal) was only available in hourly intervals. New equipment was installed in 2008, and its time interval is now at 15 minutes. Please note, there are some missing data in the attached file. This may be caused by converting from the old Schneider instruments to the new YSI sondes by DWR.

Please note that each data value has a one letter QAQC Flag code (shown in column G in the Excel File). Here is a description of all flag codes:

A= Added Data, G=Good Data, M = missing Data, Q= Qualified Good Data, U= Unchecked data, and X=Bad Data

Please let me know if you have any questions. Thanks

---Sal

		<u>ID</u>	<u>DESCRIPTION</u>	<u>DSS</u> <u>FLAG</u>
Edit	Delete	A	Added Filler Data	
Edit	Delete	B	Bad Qualified	
Edit	Delete	G	Good Data	
Edit	Delete	M	Missing Data	
Edit	Delete	Q	Qualified Good data	
Edit	Delete	U	Unchecked	
Edit	Delete	X	Bad Data	
Insert	Cancel	<input type="text"/>	<input type="text"/>	<input type="text"/>



**Sal Batmanghilich, P.E.**

Division of Environmental Services

Water Quality Office

Env Water Quality and Estuarine Studies Branch

Special Studies Section

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✉ Mail: 3500 Industrial Blvd. West Sacramento, CA 95691